

IPS Received 7/2/04

Sheet 1 of 4

Form PTO-1449 U.S. Department of Commerce  
(REV. 8-93) Patent and Trademark Office  
  
INFORMATION DISCLOSURE CITATION  
  
(Use several sheets if necessary)

Application No. 10/614,598  
Filed: July 7, 2003  
Inventor: Douglas et al.  
Atty. Docket No. FDS-P10.1-US

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
MW	3,082,951	03/28/1983	Kayan	235	184	
MW	3,707,851	01/02/1973	McAshan, Jr.	62	125	
MW	3,738,765	08/05/1973	O'Dell	62	127	
MW	4,114,448	09/19/1978	Merritt	73	362	
MW	4,181,108	07/17/1979	Savage et al.	62	115	
MW	4,186,563	02/05/1980	Schutze, Sr.	62	126	
MW	4,217,781	08/19/1980	Comaire et al.	62	130	
MW	4,325,223	04/20/1982	Cantley	62	126	
MW	4,381,549	04/26/1983	Stamp, Jr. et al.	364	557	
MW	4,432,232	02/21/1984	Brantley et al.	73	432	
MW	4,510,576	04/09/1985	MacArthur et al.	364	551	

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation
-----------------	------	---------	-------	----------	-------------

Yes	No
-----	----


OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

MW		A. E. Dabini and C. K. Ric, 1981. "A Compressor Simulation Model with Corrections for the Level of Suction Gas Superheat," ASHRAE Transactions, Vol. 87, Part 2, pp. 771-782.
MW		Copy from website for iSH North America entitled "Restricted Airflow: A Common Culprit" by John Tomczyk; <a href="http://www.achmews.com/CDA/ArticleInformation...">www.achmews.com/CDA/ArticleInformation...</a>
MW		Copy from website for Contracting Business Interactive entitled "Beware of Filter Pressure Drop" by Kevin O'Neill; <a href="http://www.contractingbusiness.com/editorial/serviceonline/...">www.contractingbusiness.com/editorial/serviceonline/...</a>

EXAMINER

*[Signature]*

DATE CONSIDERED

5/12/05

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>Form PTO-1449</b> <b>U.S. Department of Commerce</b> <b>(REV. 8-93)</b> <b>Patent and Trademark Office</b>  <b>INFORMATION DISCLOSURE CITATION</b>  (Use several sheets if necessary)	<b>Application No. 10/725,774</b> <b>Filed: December 2, 2003</b> <b>Inventor: Rossi et al.</b> <b>Atty. Docket No. FDS-P10.1-US</b>
---	--

**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<i>MM</i>	4,611,470	09/16/1988	Enström	62	127	
<i>MM</i>	4,755,957	07/05/1988	White et al.	365	551	
<i>MM</i>	4,768,346	09/08/1988	Mathur	62	127	
<i>MM</i>	4,798,055	01/17/1989	Murray et al.	62	127	
<i>MM</i>	4,885,914	12/12/1989	Pearman	62	129	
<i>MM</i>	4,928,278	05/22/1990	Otsuji et al.	714	700	
<i>MM</i>	4,967,567	11/06/1990	Proctor et al.	62	127	
<i>MM</i>	5,003,256	03/26/1991	Merrill	714	814	
<i>MM</i>	5,010,743	04/30/1991	Hale	62	292	
<i>MM</i>	5,083,438	01/28/1992	McMullin	62	129	

**FOREIGN PATENT DOCUMENTS**

Document Number	Date	Country	Class	Subclass	Translation
-----------------	------	---------	-------	----------	-------------

							Yes	No

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

<i>MM</i>			Copy of article entitled, "Effect of reduced evaporator airflow on the high temperature performance of air conditioners" by Angel G. Rodriguez et al., Elsevier Science S.A., Energy and Buildings 24 (1996) 195-201
<i>MM</i>			Copy from website for iSH North America entitled "Performing Residential A/C Airflow Setup" by Scott Nelmark; <a href="http://www.achnews.com/CDA/ArticleInformation...">www.achnews.com/CDA/ArticleInformation...</a>

<b>EXAMINER</b>  	<b>DATE CONSIDERED</b>  
-------------------------	--------------------------------

**\*EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 8-93) Patent and Trademark Office

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Application No. 10/725,774  
Filed: December 2, 2003  
Inventor: Rossi et al.  
Atty. Docket No. FDS-P10.1-US

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<i>MA</i>	5,115,643	05/26/1992	Hayata et al.	62	115	
<i>MA</i>	5,209,076	05/11/1993	Kauffman et al.	62	126	
<i>MA</i>	5,231,598	07/27/1993	Vlahos	714	700	
<i>MA</i>	5,239,865	08/31/1993	Salzer et al.	73	292	
<i>MA</i>	5,596,507	01/21/1997	Jones et al.	364	505	
<i>MA</i>	5,623,834	04/29/1997	Bahel et al.	62	131	
<i>MA</i>	5,666,815	09/16/1997	Aloise	62	129	
<i>MA</i>	5,760,478	06/2/1998	Bozso et al.	257	777	
<i>MA</i>	5,934,088	08/10/1999	Takeda	62	127	
<i>MA</i>	5,991,890	11/23/1999	Brown et al.	713	503	
<i>MA</i>	6,223,544 B1	05/01/2001	Seem	62	127	
<i>MA</i>	6,272,868	08/14/2001	Grabon et al	62	125	
<i>MA</i>	6,324,854	12/04/2001	Jayanth	62	127	

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation
-----------------	------	---------	-------	----------	-------------

						Yes	No
--	--	--	--	--	--	-----	----


OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

*MA*

DATE CONSIDERED

5/12/05

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 8-93) Patent and Trademark Office

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Application No. 10/725,774

Filed: December 2, 2003

Inventor: Rossi et al.

Atty. Docket No. FDS-P10.1-US

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<i>MAJ</i>	6,360,551	03/26/2002	Renders	62	127	
<i>MAJ</i>	6,439,061	08/27/2002	Nelson et al.	73	881.65	
<i>MAJ</i>	6,560,976	05/13/2003	Jayanth	62	127	
<i>MAJ</i>	6,601,397	08/05/2003	Pham et al	62	181	
<i>MAJ</i>	6,615,574	09/09/2003	Jayanth	62	126	
<i>MAJ</i>	US2002/0170299A1	11/21/2002	Jayanth et al.	62	126	
<i>MAJ</i>	<del>US2003/00511490A1</del>	<del>02/20/2003</del>	<del>Pham et al.</del>	<del>62</del>	<del>228.3</del>	
<i>MAJ</i>	US2003/0051490A1	03/20/2003	Jayanth	62	127	
<i>MAJ</i>	US2003/0115890A1	09/28/2003	Jayanth	62	126	

*document # incorrect*

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation
-----------------	------	---------	-------	----------	-------------

	Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

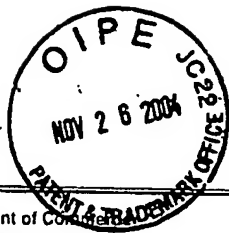

EXAMINER

*MAJ*

DATE CONSIDERED

*5/12/05*

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



DUPLICATE of  
IDS filed 7/2/04

Sheet 1 of 4

Form PTO-1449  
(REV. 8-93)

U.S. Department of Commerce  
Patent and Trademark Office

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Application No. 10/614,598  
Filed: July 7, 2003

Inventor: Douglas et al.

Atty. Docket No. FDS-P10.1-US

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	3,082,951	03/26/1983	Kayan	235	184	
	3,707,851	01/02/1973	McAshan, Jr.	62	125	
	3,736,765	06/05/1973	O'Dell	62	127	
	4,114,448	09/19/1978	Merritt	73	362	
	4,181,108	07/17/1979	Savage et al.	62	115	
	4,186,563	02/05/1980	Schulze, Sr.	62	126	
	4,217,761	08/19/1980	Cornaire et al.	62	130	
	4,325,223	04/20/1982	Cantley	62	126	
	4,381,549	04/26/1983	Stamp, Jr. et al.	364	557	
	4,432,232	02/21/1984	Brantley et al.	73	432	
	4,510,576	04/09/1985	MacArthur et al.	364	551	

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation
-----------------	------	---------	-------	----------	-------------

						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		A. E. Dabiri and C. K. Ric, 1991. "A Compressor Simulation Model with Corrections for the Level of Suction Gas Superheat," ASHRAE Transactions, Vol. 87, Part 2, pp. 771-782.
		Copy from website for ISH North America entitled "Restricted Airflow: A Common Culprit" by John Tomczyk; <a href="http://www.achnews.com/CDA/ArticleInformation...">www.achnews.com/CDA/ArticleInformation...</a>
		Copy from website for Contracting Business Interactive entitled "Beware of Filter Pressure Drop" by Kevin O'Neill; <a href="http://www.contractingbusiness.com/editorial/serviceonline/...">www.contractingbusiness.com/editorial/serviceonline/...</a>

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

### INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Filed: December 2, 2003

**Inventor: Rossi et al.**

**Atty. Docket No. FDS-P10.1-US**

**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	4,611,470	09/16/1986	Enström	62	127	
	4,755,957	07/05/1988	White et al.	365	551	
	4,768,346	09/06/1986	Mathur	62	127	
	4,798,055	01/17/1989	Murray et al.	62	127	
	4,885,914	12/12/1989	Pearman	62	129	
	4,928,278	05/22/1990	Otsuji et al.	714	700	
	4,967,567	11/06/1990	Proctor et al.	62	127	
	5,003,256	03/26/1991	Merrill	714	814	
	5,010,743	04/30/1991	Hale	62	292	
	5,083,438	01/28/1992	McMullin	62	129	

FOREIGN PATENT DOCUMENTS

[illegible]

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)			
			Copy of article entitled, "Effect of reduced evaporator airflow on the high temperature performance of air conditioners" by Angel G. Rodriguez et al., Elsevier Science S.A., Energy and Buildings 24 (1996) 195-201
			Copy from website for ISH North America entitled "Performing Residential A/C Airflow Setup" by Scott Nelmark; <a href="http://www.achrnews.com/CDA/ArticleInformation...">www.achrnews.com/CDA/ArticleInformation...</a>
		✓	

**EXAMINER**

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449  
(REV. 8-93)U.S. Department of Commerce  
Patent and Trademark Office

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Application No. 10/725,774

Filed: December 2, 2003

Inventor: Rossi et al.

Atty. Docket No. FDS-P10.1-US

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	5,115,643	05/26/1992	Hayata et al.	62	115	
	5,209,076	05/11/1993	Kauffman et al.	62	128	
	5,231,598	07/27/1993	Vlahos	714	700	
	5,239,885	08/31/1993	Salzer et al.	73	292	
	5,596,507	01/21/1997	Jones et al.	364	505	
	5,623,834	04/29/1997	Bahel et al.	62	131	
	5,666,815	09/16/1997	Aloise	62	129	
	5,760,478	06/2/1998	Bozso et al.	257	777	
	5,934,088	08/10/1999	Takeda	62	127	
	5,991,890	11/23/1999	Brown et al.	713	503	
	6,223,544 B1	05/01/2001	Seem	62	127	
	6,272,868	08/14/2001	Grabon et al.	62	125	
	6,324,854	12/04/2001	Jayanth	62	127	

## FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation
-----------------	------	---------	-------	----------	-------------

Yes No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 8-93) Patent and Trademark Office

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Application No. 10/725,774

Filed: December 2, 2003

Inventor: Rossi et al.

Atty. Docket No. FDS-P10.1-US

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	6,360,551	03/28/2002	Renders	62	127	
	6,439,061	08/27/2002	Nelson et al.	73	861.65	
	6,560,976	05/13/2003	Jayanth	62	127	
	6,601,397	08/05/2003	Pham et al	62	181	
	6,615,574	09/09/2003	Jayanth	62	126	
	US2002/0170299A1	11/21/2002	Jayanth et al.	62	126	
	US2003/00511490A1	02/20/2003	Pham et al.	62	228.3	
	US2003/0051490A1	03/20/2003	Jayanth	62	127	
	US2003/0115890A1	09/26/2003	Jayanth	62	126	

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation
-----------------	------	---------	-------	----------	-------------

						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.